Be Heard, Not Seen

PSB CustomSound In-Wall Speaker System

CW160R / CW160S 6” Coaxial Speaker System

The CW160R/ CW160S (round and square versions) provide high performance 61/2” in-wall CustomSound solutions based on the acclaimed CW180R/S 8”coaxial speaker systems.

Coaxial speakers are very popular due to their small footprint making them ideal for space restricted in-ceiling and in-wall installations. Clever engineering and world-class industrial design combine in the PSB CW160 speaker systems.

Special attention has been paid to the issue of aiming sonic energy toward the listener without forfeiting sonic integrity. The CW160s, like the CW180s, use a unique high frequency, constant directivity SonicGuide™ that is gimbaled to angle in any direction. The SonicGuide™ is a proprietary extensively adjustable and aimable, multipart flare attached to a 3/4” metal dome tweeter. Its contours and dimensions are designed such that it provides very even response with little variation both on and off axis. It also increases the directivity of the tweeter so that the listener hears transparent, naturally focused sound. Equally important, the SonicGuide(tm) reduces “backwards” tweeter energy that otherwise reflects from the woofer cone, thus eliminating a serious response error that plagues virtually every other “coax” speaker. The SonicGuide™ can be tilted 30 degrees left or right and the SonicGuide™ assembly is mounted on a click-indexing turning yoke that turns a full 180 degrees.

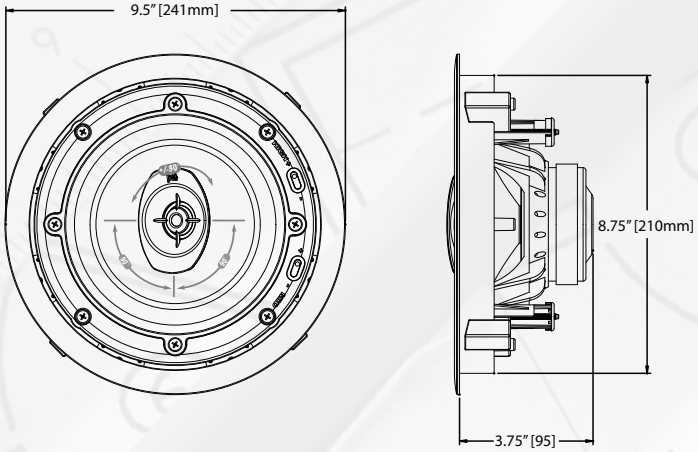
“Dog leg” style mounting clips insure quick and easy mounting. Two response tailoring switches provide a 3dB adjustment to midrange and tweeter levels. Whether mounted in the wall or in the ceiling the system’s response can be directed toward the listener for best possible sound. The result is very natural sound quality and great installation versatility.

psb SPEAKERS

CW160R / CW160S 6" Coaxial Speaker System

- 6 1/2" woofer and 3/4" tweeter
- Unique high-frequency, constant directivity SonicGuide™ gimbals to provide a focused, even response both on and off axis
- SonicGuide™ can be tilted 30° left or right and the whole assembly turned through 180 degrees
- Performance Enclosure and NCBs available
- Midrange and tweeter switches allow for 3dB response adjustments

Frequency Range (-6dB):	45-21,000Hz
Recommended Power:	20-100 Watts
Impedance:	8 Ohms
Sensitivity (1W (2.83V) @1m)	
Anechoic Chamber:	87dB SPL
Typical Listening Room:	89dB SPL
Drivers:	6" Woofer
	3/4" Dome Tweeter
Overall Dimensions (Diameter x D):	9 1/2 diameter x 3 3/4"
Cut-out Dimensions (Diameter):	8 3/4"
Overall Dimensions (W x H x D):	9 1/2 x 9 1/2 x 3 3/4"
Cut-out Dimensions (W x H):	8 3/4 X 8 3/4"



Installation Notes

- Try to install the systems at a height between seated and standing ear level.
- Distance between left and right speakers should approximately equal the distance from the listening area to the wall or ceiling.
- Make small exploratory hole and check for obstructions in wall cavity before cutting mounting hole.
- Use template provided and carefully mark and cut mounting hole.
- Lightly fill wall cavity with fiberglass for 2 feet above and below system (CW160S). Use standard 4" fiberglass split to half thickness. Use 1" thick fiberglass behind system.
- Adjust electric screwdrivers to appropriate torque. Tighten 4 mounting screws firmly but do not over tighten!
- SonicGuide™ tweeter can be rotated +/- 90 degrees, then +/- 30 degrees on its axis.
- Aim tweeter toward center of listening area.
- Switches give subtle balance adjustments for midrange and treble. Set to suit room acoustics and personal taste.
- See manual for more installation hints.

To Reach US Customer Service dial 1 888 772 0000 ext 4445 or 4342

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